


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Albert 11-22-3-3W				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6189			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP		RANGE	MERIDIAN	
LOCATION AT SURFACE		2170 FSL 2318 FWL		NESW	22	3.0 S		3.0 W	U	
Top of Uppermost Producing Zone		2170 FSL 2318 FWL		NESW	22	3.0 S		3.0 W	U	
At Total Depth		2170 FSL 2318 FWL		NESW	22	3.0 S		3.0 W	U	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 312			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 2600			26. PROPOSED DEPTH MD: 10300 TVD: 10300				
27. ELEVATION - GROUND LEVEL 5302			28. BOND NUMBER RLB00100473			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	17.5	14	0 - 360	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
Surf	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.3	Premium Lite High Strength	51	3.53	11.0
							Class G	154	1.17	15.8
I1	8.75	7	0 - 8085	26.0	P-110 LT&C	9.5	35/65 Poz	254	3.53	11.0
							50/50 Poz	255	1.29	14.0
Prod	6.125	4.5	7885 - 10300	11.6	P-110 LT&C	11.5	50/50 Poz	113	2.31	14.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton				TITLE Permitting Agent			PHONE 435 719-2018			
SIGNATURE				DATE 10/01/2012			EMAIL starpoint@etv.net			
API NUMBER ASSIGNED 43047532720000				APPROVAL  Permit Manager						

**Newfield Production Company**  
**11-22-3-3W**  
**NE/SW Section 22, T3S, R3W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	3,460'
Garden Gulch member	6,185'
Wasatch	8,690'
TD	10,300'

**2. Depth to Oil, Gas, Water, or Minerals**

Base of moderately saline	530'	(water)
Green River	6,185' - 8,690'	(oil)
Wasatch	8,690' - TD	(oil)

**3. Pressure Control**

Section                      BOP Description

Surface                      12-1/4" diverter

Interm/Prod              The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coupl	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld	--	--	--	--	--	--
14									--	--	--
Surface	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
9 5/8									6.27	6.35	10.94
Intermediate	0'	8,085'	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
7									2.61	1.95	3.30
Production	7,885'	10,300'	11.6	P-110	LTC	11	11.5	--	10,690	7,560	279,000
4 1/2									2.20	1.47	2.34

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41	15%	15.8	1.17
				35			
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180	15%	11.0	3.53
				51			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Intermediate Lead	8 3/4	5,185'	65% Class G / 35% Poz + 10% Bentonite	896	15%	11.0	3.53
				254			
Intermediate Tail	8 3/4	1,900'	50/50 Poz / Class G + 1% Bentonite	329	15%	14.0	1.29
				255			
Production Tail	6 1/8	2,415'	50/50 Poz / Class G with 1% bentonite	262	15%	14.0	2.31
				113			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 1,000'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
1,000' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 11.5 ppg.

**7. Logging, Coring, and Testing**

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

$$10,300' \times 0.57 \text{ psi/ft} = 5892 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

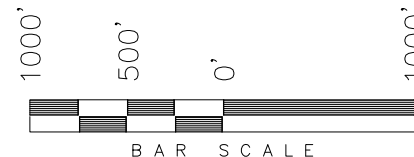
**9. Other Aspects**

This is planned as a vertical well.

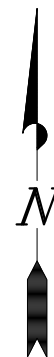
**CONFIDENTIAL**  
**Returned Unapproved**

**T3S, R3W, U.S.B.&M.****NEWFIELD EXPLORATION COMPANY**

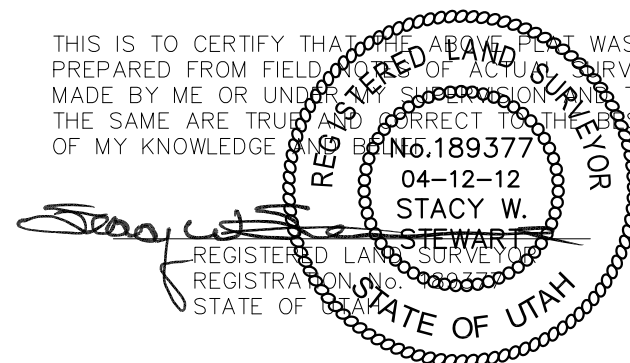
WELL LOCATION, 11-22-3-3W, LOCATED  
AS SHOWN IN THE NE 1/4 SW 1/4 OF  
SECTION 22, T3S, R3W, U.S.B.&M.  
DUCESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

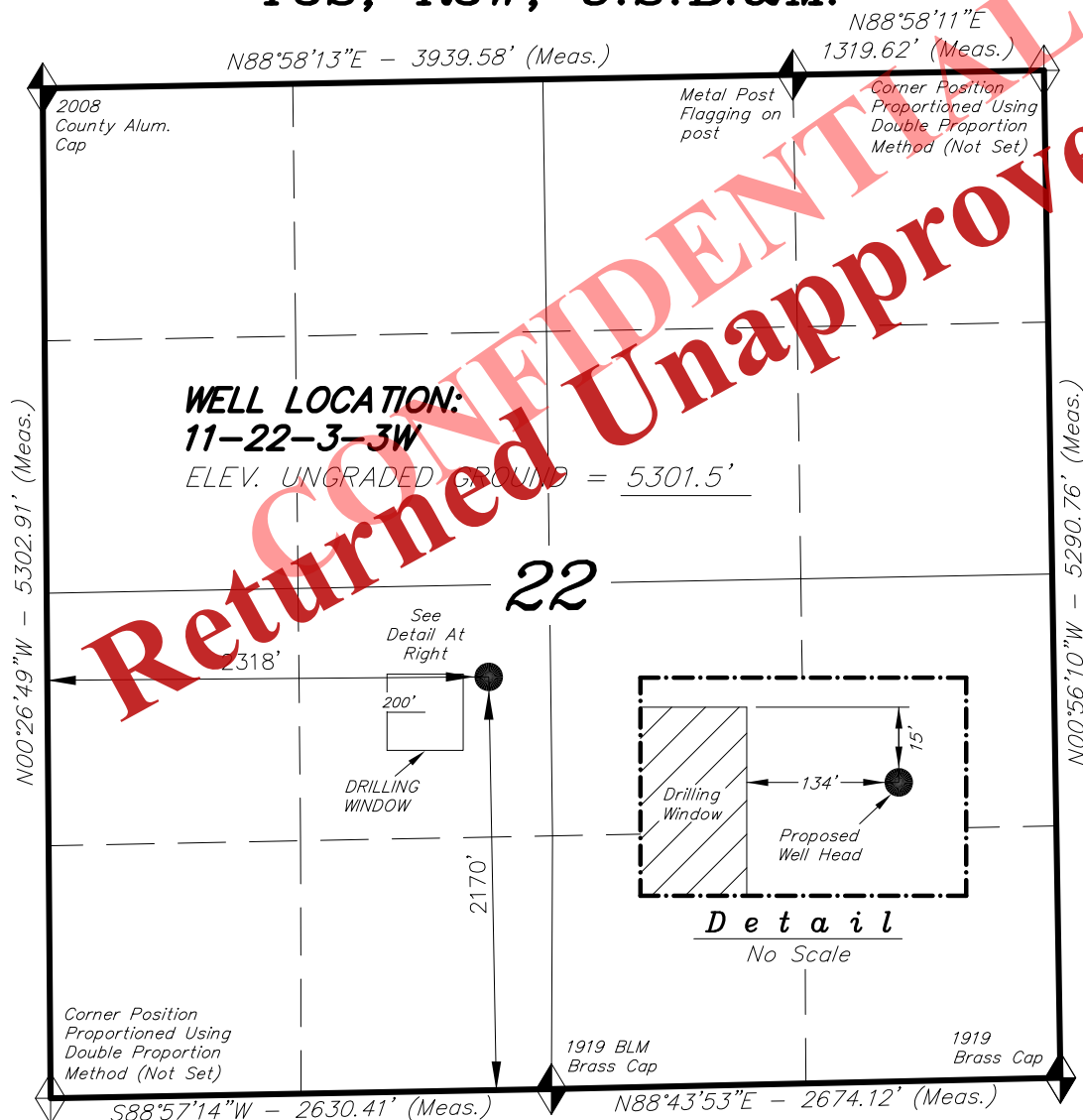
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-02-12	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 04-12-12	DRAWN BY: R.B.T.	V1
REVISED:	SCALE: 1" = 1000'	

**11-22-3-3W**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 12' 21.93"  
LONGITUDE = 110° 12' 36.50"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on  
an N.G.S. OPUS Correction. LOCATION:  
LAT. 40°04'09.56" LONG. 110°00'43.28"  
(Tristate Aluminum Cap) Elev. 5281.57'





## Access Road Map

Proposed Location  
11-22-3-3W

See Topo "B"

± 3.8 mi.

± 1.1 mi.

## Legend

- Existing Road
- Existing Road To Be Upgraded
- Proposed Road


**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

## NEWFIELD EXPLORATION COMPANY

 11-22-3-3W  
 SEC. 22, T3S, R3W, U.S.B.&M.  
 Duchesne County, UT.

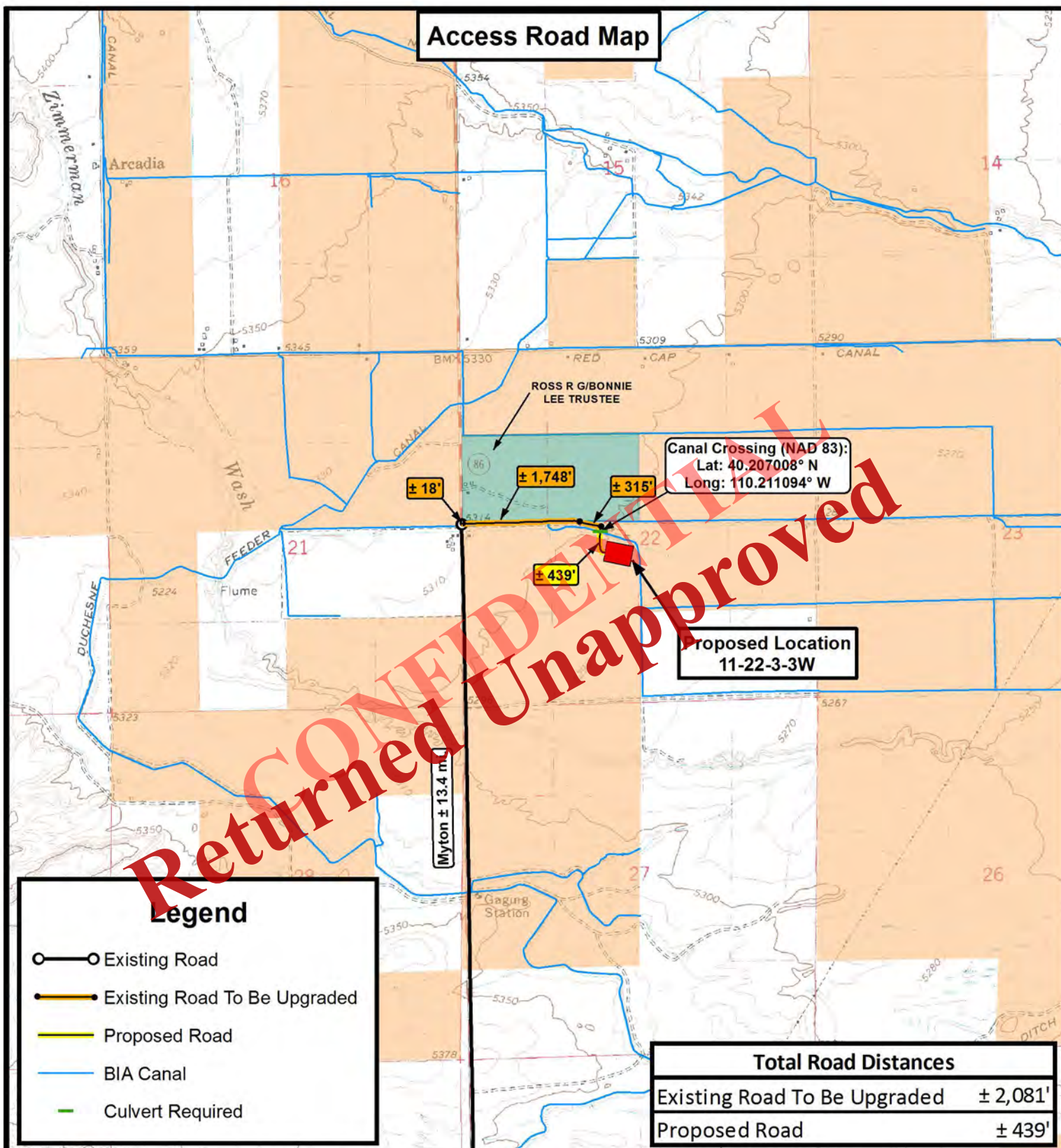
DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	04-12-2012		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A





THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

**11-22-3-3W**  
**SEC. 22, T3S, R3W, U.S.B.&M.**  
**Duchesne County, UT.**

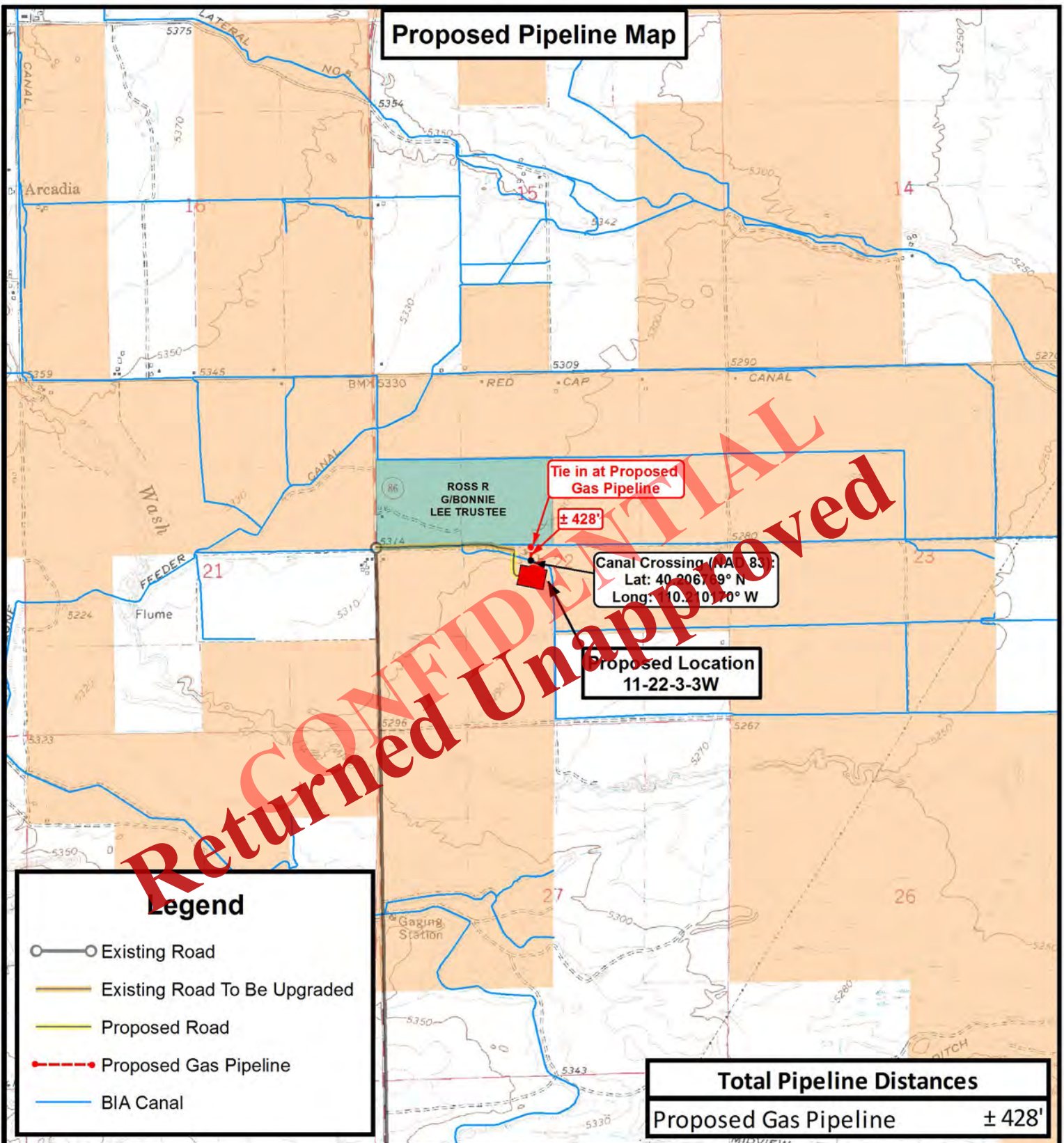
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DATE:	04-12-2012		V1
SCALE:	1" = 2,000'		

## TOPOGRAPHIC MAP

SHEET  
**B**



# Proposed Pipeline Map



**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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## NEWFIELD EXPLORATION COMPANY

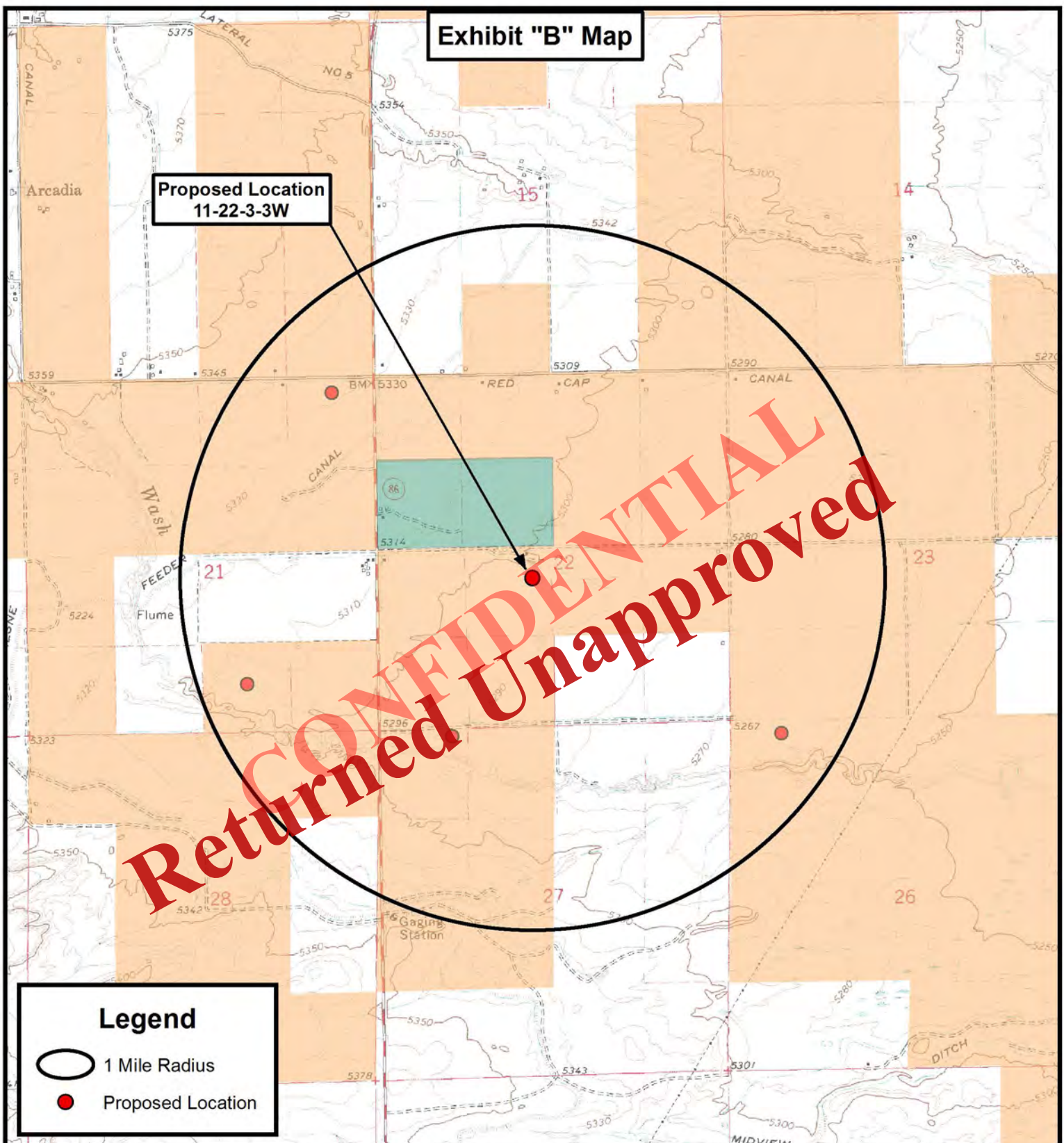
11-22-3-3W  
SEC. 22, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	VERSION:
DATE:	04-12-2012		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**





THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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**NEWFIELD EXPLORATION COMPANY**

11-22-3-3W  
SEC. 22, T3S, R3W, U.S.B.&M.  
Duchesne County, UT.

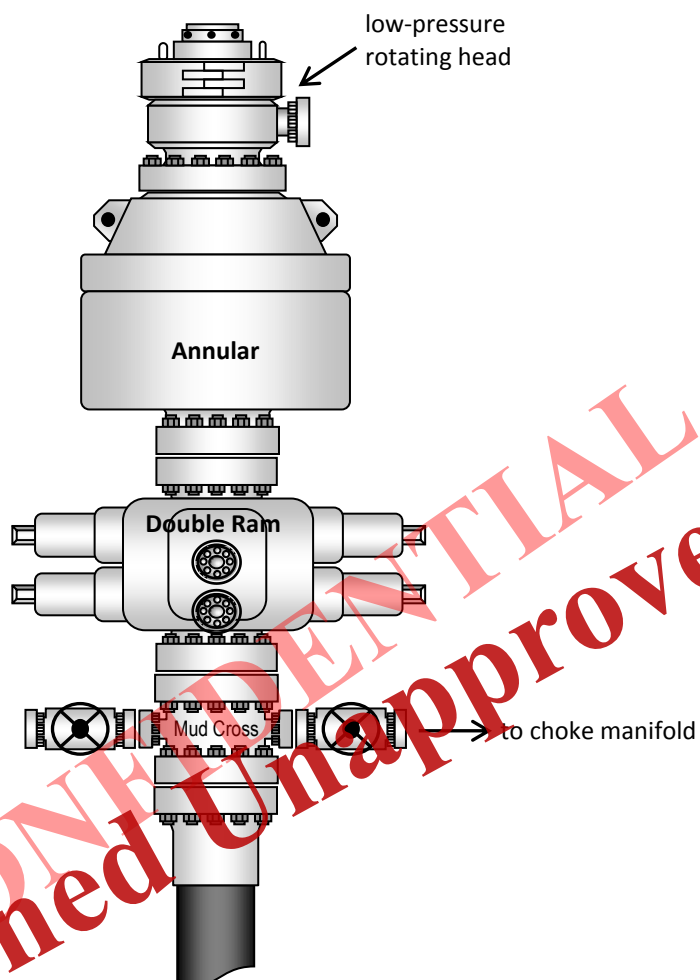
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DATE:	04-12-2012		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

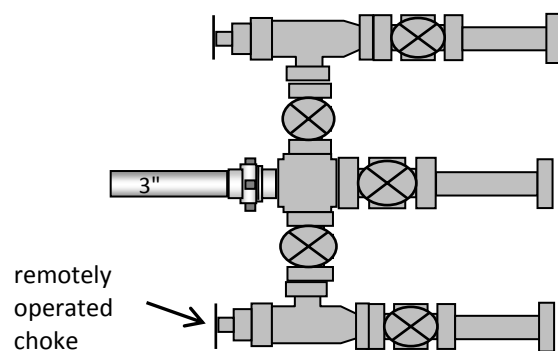
SHEET

**D**

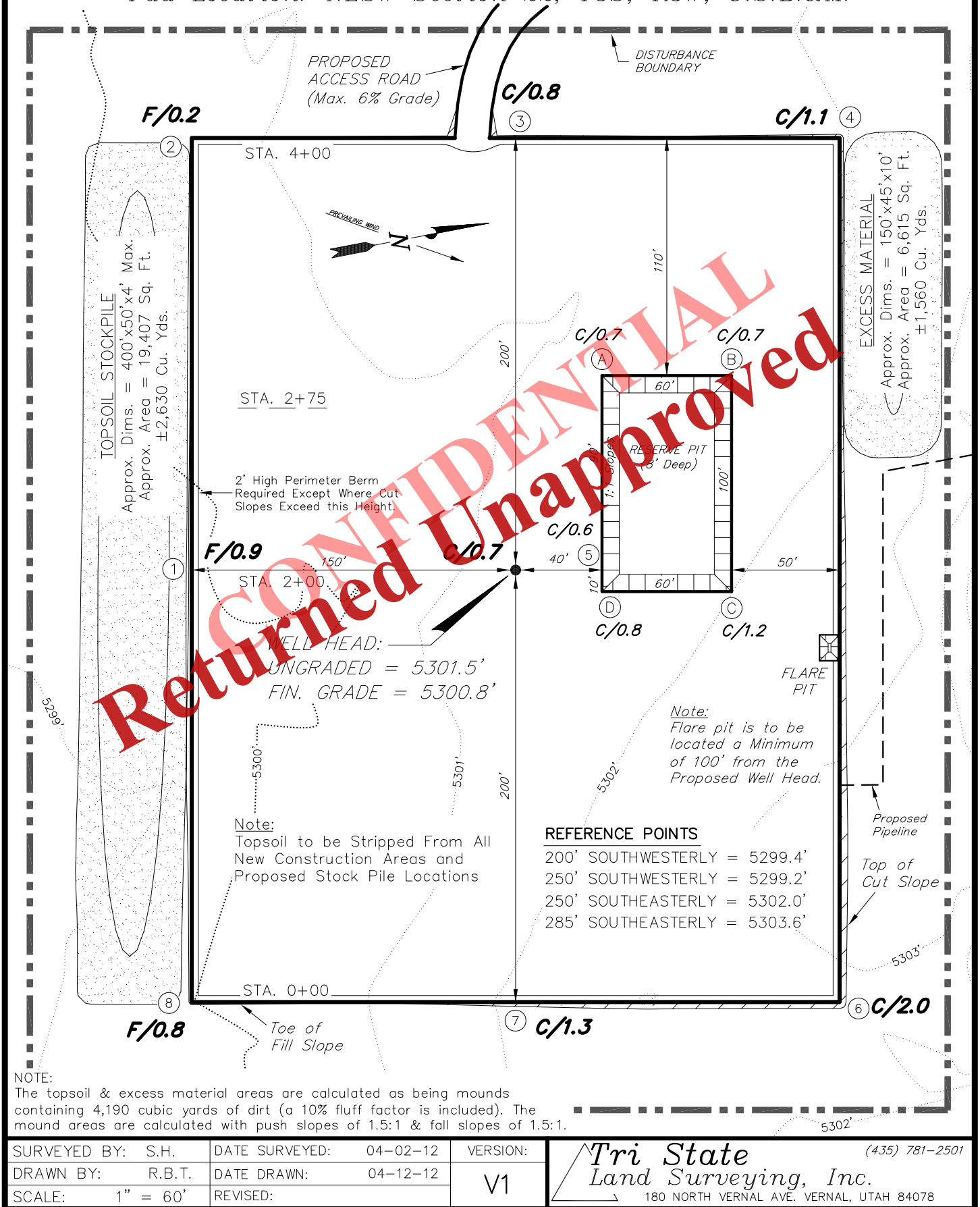
Typical 5M BOP stack configuration



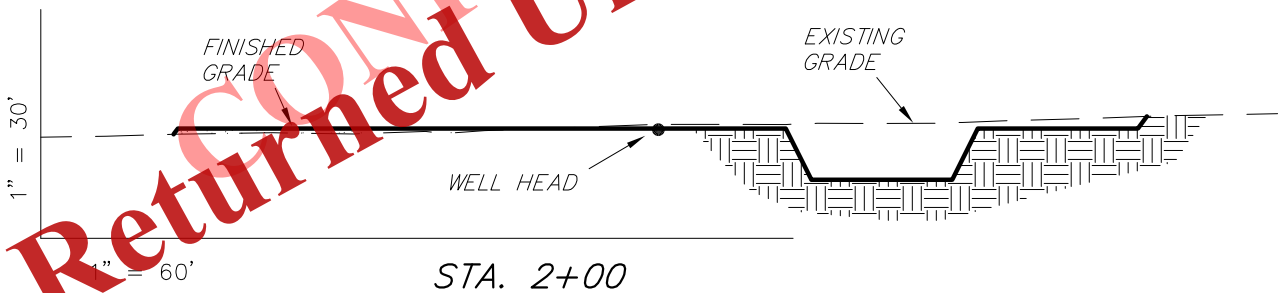
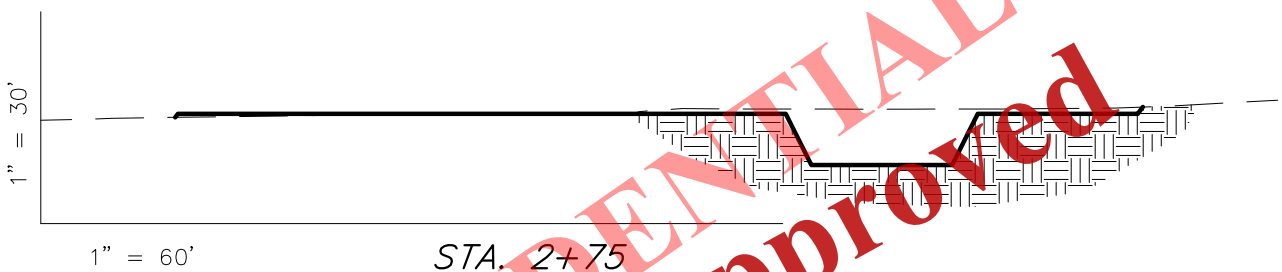
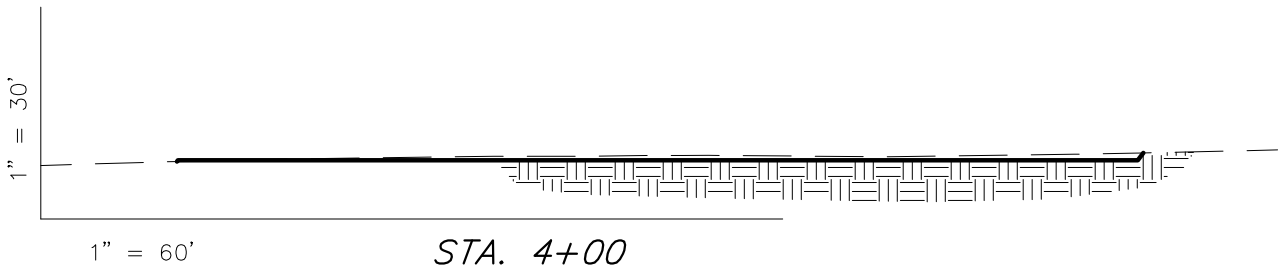
Typical 5M choke manifold configuration





**NEWFIELD EXPLORATION COMPANY****PROPOSED LOCATION LAYOUT****11-22-3-3W***Pad Location: NESW Section 22, T3S, R3W, U.S.B.&M.*

RECEIVED: October 01, 2012

**NEWFIELD EXPLORATION COMPANY****CROSS SECTIONS****11-22-3-3W***Pad Location: NESW Section 22, T3S, R3W, U.S.B.&M.*

NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

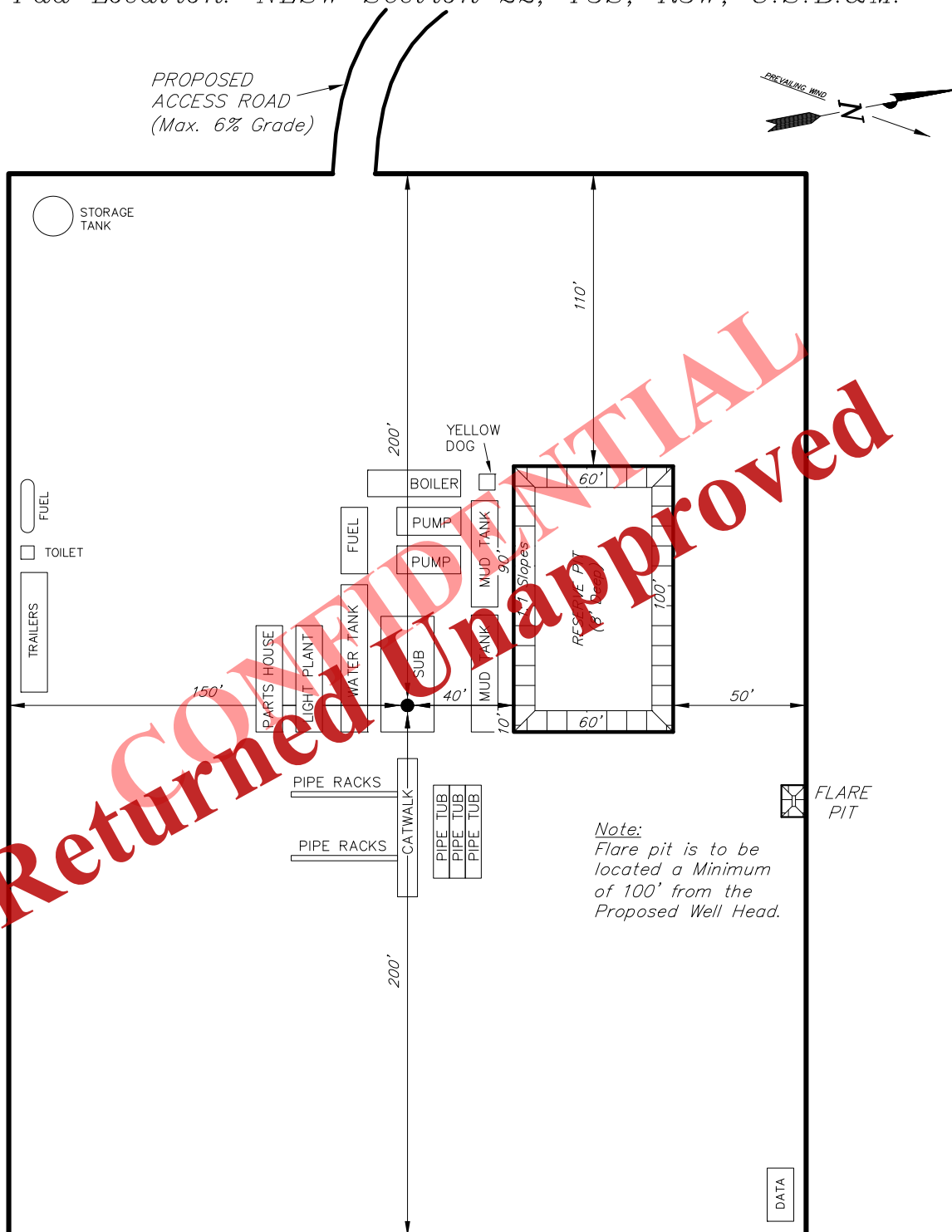
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,500	1,500	Topsoil is not included in Pad Cut Volume	0
PIT	1,420	0		1,420
TOTALS	2,920	1,500	2,390	1,420

SURVEYED BY: S.H.	DATE SURVEYED: 04-02-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 04-12-12	V1
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED:** October 01, 2012

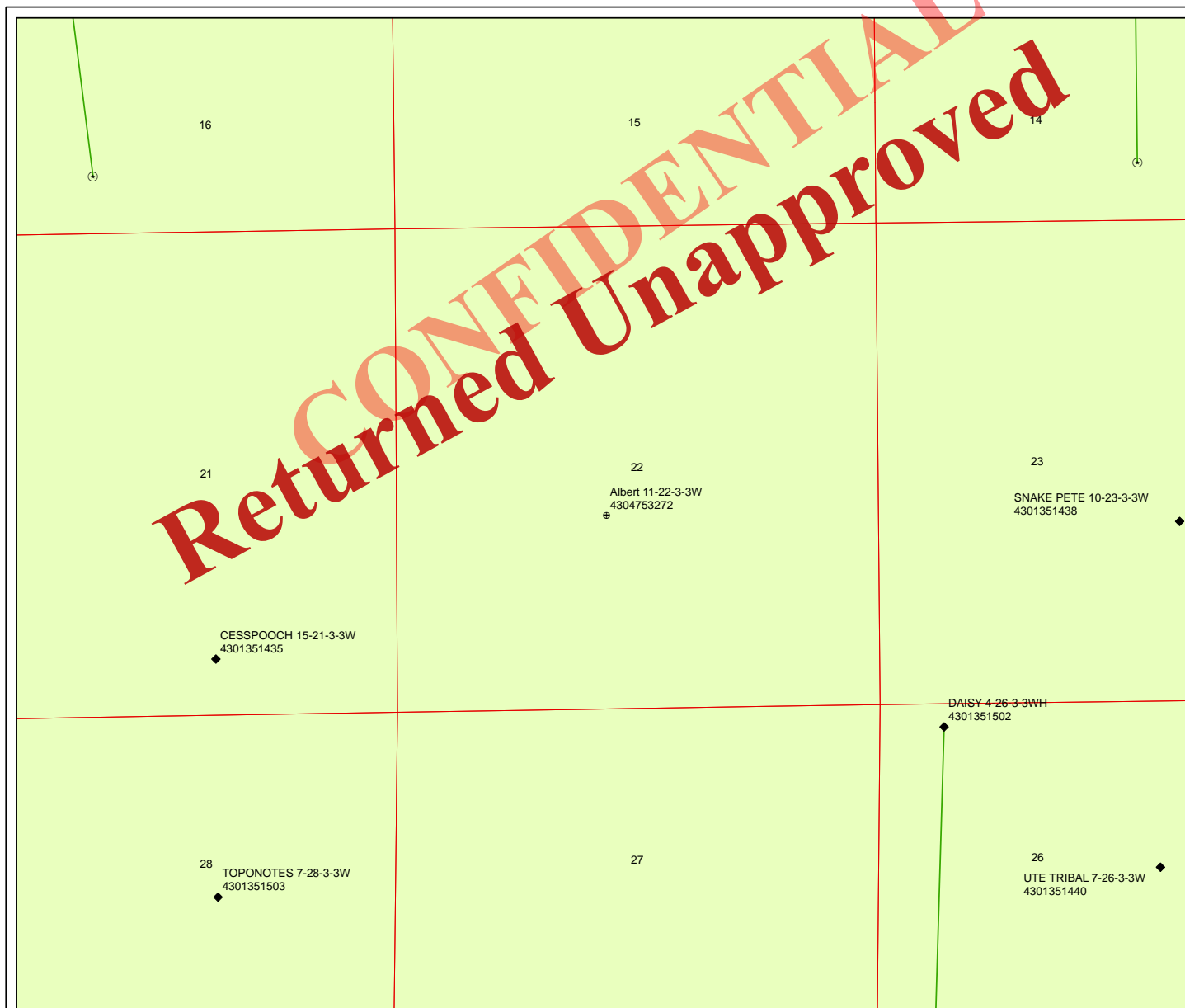


**NEWFIELD EXPLORATION COMPANY****TYPICAL RIG LAYOUT****11-22-3-3W***Pad Location: NESW Section 22, T3S, R3W, U.S.B.&M.*

SURVEYED BY: S.H.	DATE SURVEYED: 04-02-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 04-12-12	V1
SCALE: 1" = 60'	REVISED:	

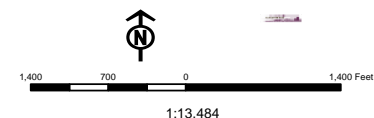
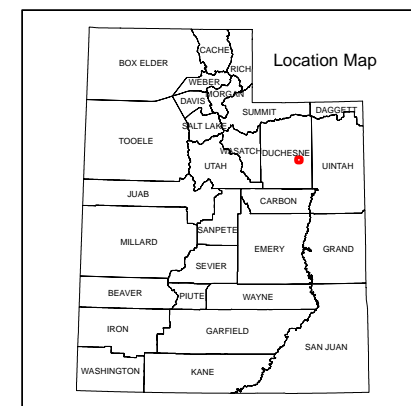
**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: October 01, 2012



**API Number: 4304753272**  
**Well Name: Albert 11-22-3-3W**  
**Township T03.0S Range R03.0W Section 22**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**  
 Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
<b>Fields</b>	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	Bottom Hole Location - Oil/Gas/Dls
STORAGE	
TERMINATED	





## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/1/2012

API NO. ASSIGNED: 43047532720000

WELL NAME: Albert 11-22-3-3W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NESW 22 030S 030W

Permit Tech Review: ☒

SURFACE: 2170 FSL 2318 FWL

Engineering Review: ☐

BOTTOM: 2170 FSL 2318 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.20599

LONGITUDE: 110.21016

UTM SURF EASTINGS: 567218.00

NORTHINGS: 4450920.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-6189

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: INDIAN - RLB00100473

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ R649-3-3. Exception☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 437478

Board Cause No: Cause 139-90

☐ RDCC Review:

Effective Date: 5/9/2012

☐ Fee Surface Agreement

Siting: Suspends General Siting

☐ Intent to Commingle☐ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

RECEIVED: November 01, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

November 08, 2012

NEWFIELD PRODUCTION  
COMPANY  
Rt 3 Box 3630  
Myton, UT 84052

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Albert 11-22-3-3W well, API 43047532720000 that was submitted October 01, 2012 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah